BRUHAT BANGALORE MAHANAGARA PALIKE
BYATARAYANAPURA DIVISION

Name of Work: Construction of Two RO plant in ward no. 07 Byatarayanapura

3RD & PART BILL

DETAILED MEASUREMENT

TEJUS CONSULTANTS
CONSULTING ENGINEERS AND DESIGNERS
No.58 MIG, 6th Cross, 3rd Main
1st Stage, Basaveshwaranagar
Bangalore-560079
☎ 080 - 23287532
email: tejusconsultants@gmail.com

Bruhat Bengaluru Mahanagara Palike							
Bytarayanapura Division							
Job Code :- 007-18-000109, 007-18-000110, 007-18-000111, 007-18-000112, 007-18-000113, 007-18-000114, 007-18-000115, 007-18-000116, 007-18-000117, 007-18-000118, 007-18-000119, 007-18-000120, 007-18-000121, 007-18-000122, 28873							
Bill No :- 3rd & Part Bill							
Name of Agency :- Benaka Developers & Project Pvt.Ltd.							
Project: Construction of Two RO plant in ward no. 07 Byatarayanapura							
Sl. No	Description of work	Unit	No.	Length m	Breadth m	Depth m	Quantity
56	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its qualityf 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped,						
	Kempegowda Circle Mazid	Each BW	1				1.00
	Mahalakshi Medical , Ambedkar Road	Each BW	1				1.00
						Total	2.00

Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigenalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

57	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final	Rmtr					
	Kempegowda Circle Mazid		1	50.00			50.00
	Mahalakshi Medical , Ambedkar Road		1	50.00			50.00
						Total	**100.00**

Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

62	Supply of ISI mark 175 mm nominal bore, Plain end steel casing pipe - grade of Steel Fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by baseic open hearth electric or basic oxygen process in random length of 5 to 7 mts both ends threaded confirming tio IS 554/1985, one end fixied with socket confirming to IS 4270:2001 and the other end with screwed pipes ISI Marking weighing 25.10Kg/mtr (Inclusive of all taxes and durties) Prices include Collar-medium duty P. iii, I No. 84 PRED SR 2012-13	Rmtr					
	Kempegowda Circle Mazid		1	30.50			30.50
	Mahalakshi Medical , Ambedkar Road		1	20.00			20.00
						Total	**50.50**

Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

63	Providing 250mm dia PVC Pipe 6kg/cm SE PRED Approved Rate	Rmtr					
	Kempegowda Circle Mazid		1	24.00			24.00
	Mahalakshi Medical , Ambedkar Road		1	12.00			12.00
						Total	**36.00**

Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mananagara Palike
Bangalore - 560 092

64	Providing and fixing 160mm Borewell Cap P. iii,	Each					
	Kempegowda Circle Mazid		1				1.00
	Mahalakshi Medical , Ambedkar Road		1				1.00
						Total	**2.00**

Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

65	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings 12.50 HP 25 stage. ATALANTA< SUGNA< CRI, KIRLOSKAR and other Equivalent Pumps PWD SR 2016-17 P. XXXXII Item No. 24 including of	No					
	12.5 HP 25 Stage						
	Kempegowda Circle Mazid		1				1.00
	Mahalakshi Medical , Ambedkar Road		1				1.00
						Total	**2.00**

Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division .
Bruhat Bangalore Mananagara Palike
Bangalore - 560 092

79	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete. P. No. 95 / I. No. 13.81.3 PWD SR 2016-7	No					
	Kempegowda Circle Mazid		1				1.00
	Mahalakshi Medical , Ambedkar Road		1				1.00
						Total	**2.00**

Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

80	Supplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour charges etc complete	No					
	Kempegowda Circle Mazid		1	4.00			4.00
	Mahalakshi Medical , Ambedkar Road		1	4.00			4.00
						Total	**8.00**

Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engine
Kodigehalli Sub Division
Bruhat Bangalore Mananagara Pali
Bangalore - 560 092

81	Supplying shunt capaitors conforming to IS 2834, 3phase 400/440 volts grade for power factor improvement of rotating machinery, Capacitor in KVAR rating Nos. 2KVAR capacity with all lead and lift =, loading, unloading and labour charges etc complete as per specifications	No					
	Kempegowda Circle Mazid		1				1.00
	Mahalakshi Medical , Ambedkar Road		1				1.00
						Total	**2.00**

Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Kodigehalli Sub Division

Bruhat Bangalore Mahanagara Pa

Bangalore - 560 092

82	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as	No					
	Kempegowda Circle Mazid		1				1.00
	Mahalakshi Medical , Ambedkar Road		1				1.00
						Total	**2.00**

Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

83	Fabricating supplying and mounting MS box made out … SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide	Sq.Cm					
	16SWG						
	Kempegowda Circle Mazid		2	115.00	60.00		13800
			1	295.00	25.00		7375
	Mahalakshi Medical , Ambedkar Road		2	125.00	60.00		15000
			1	305.00	25.00		7625
						Total	**43800.00**

Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560

84	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum- control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset. 12.5HP to 15 HP Star Delta Starter SERDED Rate	No.					
	Kempegowda Circle Mazid		1				1.00
	Mahalakshi Medical , Ambedkar Road		1				1.00
						Total	**2.0**

Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560

85	Earthwork excavation for pipeline trenches including deporiting or bank up to a lead of 50 mtrs including shiriry and statting danger lighting and using site rails and boming poles at every 100 mtrs wherever necessary as directed in th following strructure manhole. Page No. 01/ Item No.1.2.2 / PRED SR 2012-13 Hard Soil	Cum					
	Kempegowda Circle Mazid		1	25.00	0.60	0.75	11.25
			1	35.00	0.60	0.75	15.75
	Mahalakshi Medical , Ambedkar Road		1	28.00	0.60	0.75	12.60
	5th Cross Road		1	32.00	0.60	0.75	14.40
						Total	**54.00**

Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

86	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and incluidng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the execavation Etc., Page No.15 item No.3.4.2 b PRED SR 2012-13.	Rmtr					
	75 mm dia 6 KSC PVC pipe						
	Kempegowda Circle Mazid		1	25.00			25.00
			1	35.00			35.00
	Mahalakshi Medical , Ambedkar Road		1	28.00			28.00
			1	32.00			32.00
						Total	**120.00**

Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mananagara Palik
Bangalore - 560 003

87	Refilling the basement and pipeline treanches with secleted available earthe for trench excavation including authority condition in layers from thedi including disponsary of the sunplus	Cum					
			Qty. Vide Item No. 85				**54.00**

Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

88	KSRB 13.6.3-6 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6/13.3 P. 92 / I.13.37 PWD SR - 2016-17	Each					
	Kempegowda Circle Mazid		2				2.00
	Mahalakshi Medical , Ambedkar Road		2				2.00
						Total	**4.00**

Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092